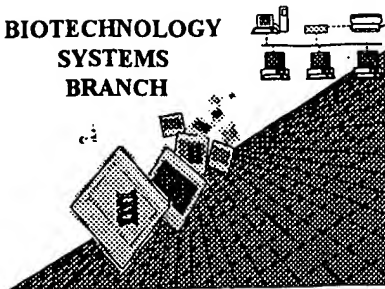


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/916,780

Source: O/PK

Date Processed by STIC: 8/7/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§ 1.821-1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST-25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/916,780

DATE: 08/07/2001

TIME: 13:36:39

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Does Not Comply
Corrected Diskette Needed

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 2 LI, Yi O'Donnell, Colum Duan, Hui Wu, Yan McAvoy, Richard
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major
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contact

Robert

Wax

at

703-306-4119

or

703-308-4216

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/916,780

DATE: 08/07/2001

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365	attctaacac	cggatcgggtg	gcagaaaatta	atgcacaggt	aagtggtaac	ttaatattac	5400
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375	tggtgtcgac	atactcgact	cagaagggtat	tgaggaaatga	tcgattctgg	gtcatttgtg	120
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same

RAW SEQUENCE LISTING

DATE: 08/07/2001

PATENT APPLICATION: US/09/916,780

TIME: 13:36:39

Input Set : A:\916780.txt

Output Set: N:\CRF3\08072001\I916780.raw

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393 caacaatttg tgtgttttaa aaaaaaaaaa aagtacacac accaaaaaaa aaaattccaa 660
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401 agttgagctc agattt 76
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*same**same**same*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/916,780

DATE: 08/07/2001

TIME: 13:36:40

Input Set : A:\916780.txt

Output Set: N:\CRF3\08072001\I916780.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier
L:4 M:283 W: Missing Blank Line separator, <130> field identifier
L:5 M:270 C: Current Application Number differs, Replaced Current Application No
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:6 M:283 W: Missing Blank Line separator, <210> field identifier